Harley Benton

HBW-150

bass combo

th•mann
MUSIC IS OUR PASSION

user manual

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14.08.2014, ID: 224349

Table of contents

1 General notes **4**
1.1 Further information 5
1.2 Notational conventions 6
1.3 Symbols and signal words 6
2 Safety instructions **8**
3 Features **13**
4 Installation and starting up **14**
5 Components and functions **16**
6 Technical specifications **22**
7 Plug and connection assignment **24**
8 Protecting the environment **26**

1 General notes

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

1.1 Further information

On our website (*www.thomann.de)* you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used for amplification and playback of signals from musical instruments with electromagnetic pickups. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

CAUTION!

Possible hearing damage

The device can produce volume levels that may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage.

Decrease the volume level immediately if you experience ringing in your ears or hearing impairment. If this is not possible, keep a greater distance or use sufficient ear protectors.

CAUTION!

Risk of injury due to heavy weight

Due to the heavy weight of the device, at least two persons are required for transport and installation.

NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

Special features of the device:

- Inputs: 1/4" phone sockets for instrument, RETURN and AMP IN, RCA sockets for AUX IN
- Outputs: 1/4" phone sockets for headphones, SEND and PRE OUT
- Selectable input sensitivity for active and passive bass guitars
- 15" woofer, tweeter
- Controls for input gain, bass, mids, treble and master volume
- Switchable 7-band equalizer
- Built-in compressor
- BRIGHT and BOOST switch
- Housing with felt cover, plastic corners, rubber foots and metal front grill
- Wedge cabinet for monitor use
- Automatic standby (can be disabled)

4 Installation and starting up

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

CAUTION!

Risk of injury due to heavy weight

Due to the heavy weight of the device, at least two persons are required for transport and installation.

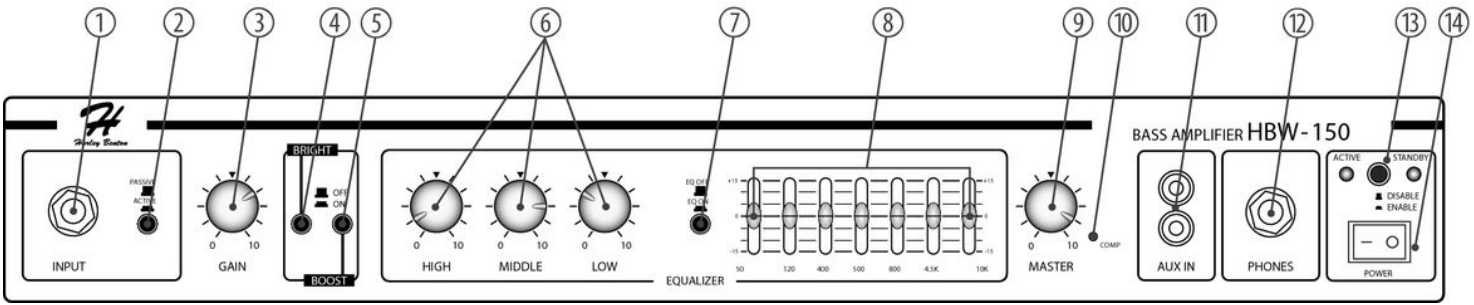
NOTICE!

Possible property damage by magnetic fields

Loudspeakers produce a static magnetic field. Therefore, maintain an appropriate distance to devices that can be adversely affected or damaged by an external magnetic field.

5 Components and functions

Front panel

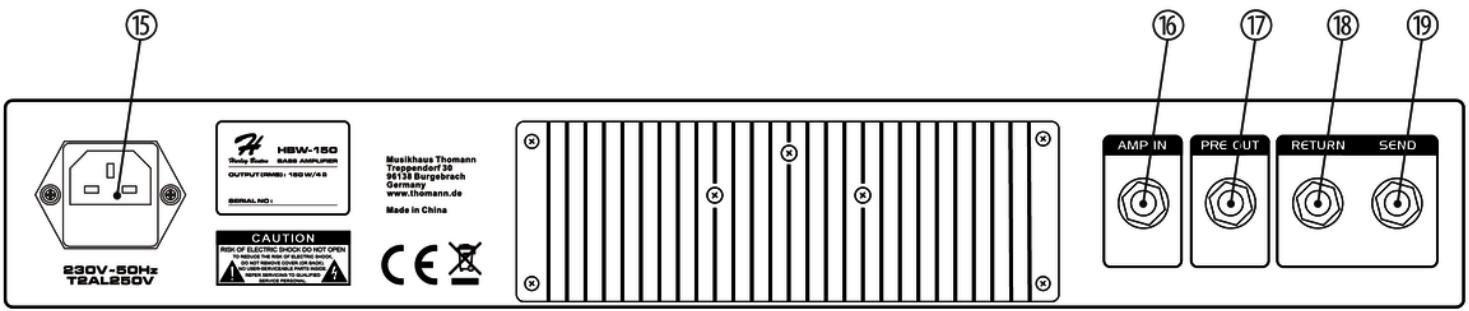


1	*[INPUT]* 1/4" TS phone socket for the input signal coming from your bass guitar.
2	*[ACTIVE/PASSIVE]* To select the sensitivity. Press this button if you connect an instrument with active electronic. Release the button if you connect an instrument with passive electronic.
3	*[GAIN]* This control adjusts the input gain.
4	*[BRIGHT]* This switch increases the high frequencies.
5	*[BOOST]* This switch increases the low frequencies.
6	*[HIGH]*, *[MIDDLE]*, *[LOW]* These controls let you decrease or increase the high, mid and low frequencies by ±12 dB.

7	*[EQ]* This switch activates the 7-band equalizer.
8	7-band graphic equalizer for sound shaping. The adjustable frequencies are 50 Hz, 120 Hz, 400 Hz, 500 Hz, 800 Hz, 4.5 kHz and 10 kHz. Use the sliders to increase or decrease the respective frequency by ±15 dB.
9	*[MASTER]* Overall volume control. Does not affect the signal coming from input *[AUX IN]*.
10	*[COMP]* This indicator is lit when the built-in compressor responds.
11	*[AUX IN]* Auxiliary signal input, electronically located behind the equalizer, directly feeding the power stage for connecting a CD player or the like. Control the volume on the connected audio device.
12	*[PHONES]* 1/4" phone socket for headphones. If you connect headphones, the internal speakers are disconnected. To avoid annoying sounds turn the *[MASTER]* (9) control down before plugging headphones in or out.

13	*[STANDBY]* Push button to enable or disable the energy saving mode. If the power is on and there is no signal input at the *[INPUT]* jack for 15 minutes, the device will automatically enter standby mode. As soon as the *[INPUT]* jack receives a instrument signal, the device switches back to normal mode. LED *[ACTIVE]* Power indicator LED. This LED is permanently on in normal mode. It goes off when the energy-saving mode is enabled and the box enters the standby mode. LED *[STANDBY]* Standby mode. This LED lights up when the energy saving mode is enabled and the box enters the standby mode. It goes off again when the box switches back to normal.
14	*[POWER]* Use the mains switch to turn the unit on or off.

Rear panel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HBW-150
BASS AMPLIFIER
Musikhaus Thomann
Treppendorf 30
96138 Burgebrach
Germany
www.thomann.de
Made in China
CAUTION
230V~50Hz
T2AL250V
AMP IN
PRE OUT
RETURN
SEND

15	IEC chassis connector with fuse holder.
16	*[AMP IN]* 1/4" TS phone socket, accepts line level signals from other devices.
17	*[PRE OUT]* This 1/4" TS phone socket provides the preamp signal. You can use the preamp signal to feed a separate power amp.
18	*[RETURN]* 1/4" TS phone socket to connect the output of an external effects device.
19	*[SEND]* 1/4" TS phone socket to connect the input of an external effects device.

6 Technical specifications

Input *[INPUT]*	Nominal input level active: –24 dB, passive: –30 dB @ 1 MΩ; 1/4" phone socket
Input *[RETURN]*	Nominal input level: –6 dB; 1/4" phone socket
Input *[AMP IN]*	Nominal input level: 0 dB; 1/4" phone socket
Input *[AUX IN]*	Nominal input level: 0 dB; RCA sockets
Gain	+33 dB max.
Output power	150 W (RMS)
Bass, mid, treble control	±12 dB
Equalizer	±15 dB @ 50 Hz, 120 Hz, 400 Hz, 500 Hz, 800 Hz, 4.5 kHz and 10 kHz
Output *[PRE OUT]*	0 dB; 1/4" phone socket
Headphones output	200 mW (RMS); impedance > 8 Ω; 1/4" phone socket
Operating voltage supply	AC 220 – 240 V ~ , 50/60 Hz
Fuse	2 A / 250 V, slow blow

Dimensions (W × D × H)	580 mm × 420 mm × 653 mm
Weight	27.5 kg

7 Plug and connection assignment

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment in such a way that a perfect sound experience is ensured.

Please note these advices, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into the socket, an incorrect connection may result in a destroyed power amp, a short circuit or 'just' in poor transmission quality!

1/4" TS phone plug (mono, unbalanced)

1	Signal
2	Ground, shielding

1/4" TRS phone plug (stereo, unbalanced)

1	Signal (left)
2	Signal (right)
3	Ground

RCA connection

Drawing and table indicate the pin assignment of an RCA plug.

1	Signal
2	Ground, shielding

8 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.